

## SIGNATURE EXTRACTION SYSTEM AND METHOD

Peter Szor

ABSTRACT

Host computer systems automatically detect malicious  
5 code. The host computer systems automatically generate and  
send malicious code packets of the malicious code to a local  
analysis center (LAC) computer system. Based on the received  
malicious code packets, the LAC computer system provides a  
signature update to a network intrusion detection system.  
10 Further, the LAC computer system also automatically sends  
malicious code signatures of the malicious code to a global  
analysis center. In this manner, the spread of the malicious  
code is rapidly detected and prevented.